

## JAPHET KHENDLO

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Mzuzu University  
Private Bag 201  
Mzuzu  
Malawi

*A highly motivated Engineering Surveyor and GIS specialist with three years of experience in field work and lecturing in the same field. Eager to learn and provide the best according to my knowledge and through research to ensure quality delivery of any service as assigned. Uses Engineering Surveying and GIS Software's to deliver precise and accurate work.*

*Always learning.*

### EDUCATION

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<b>PhD Student:</b>	University Des Mascareignes, Mauritius	NOV 2022-NOV 2025
<b>Field:</b>	<b>Artificial Intelligence and Geographical Information System application In flood analysis to enhance community resilience</b>	
<b>MSc</b>	Mzuzu University	SEPT, 2019-SEPT,2021
<b>Field:</b>	<b>Master in Geoinformatics (GIS)</b>	
<b>BSc</b>	University of Malawi	JAN, 2012-NOV,2017
	The Malawi Polytechnic	
<b>Field:</b>	<b>Land Surveying</b>	

### MEMBERSHIP OF PROFESSIONAL BODY

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**Graduate Member of Surveyors Institute of Malawi (SIM)**

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### RESEARCH:

**The Southern African Development Community Groundwater Management Institute (SADC-GMI) training 18-20March, 2024 Johannesburg, RSA**

As consultants; We successfully trained water professionals from the SADC region in Geographical Information Systems and Remote Sensing Training for Groundwater Professionals.

#### **Target Audience**

The primary target audience for that training program included groundwater professionals and practitioners from government institutions in the SADC region. These professionals include hydrogeologists, water resources managers, environmental scientists, and related technical staff who were involved in groundwater-related projects, planning, and decision-making processes.

**JAPHET KHENDLO**

## TEACHING EXPERIENCE

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### **1). Lecturer/Mzuzu University/ Department of Built Environment**

Years: February, 2021-Present

#### **Areas of expertise**

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- Geographical Information System (GIS)
- Remote sensing
- Using AI tools for research
- Environmental engineering: Application
- Engineering Surveying
- Climate Change

#### **Roles and duties include the following among other:**

- Teaching Land, Engineering and Mining Surveying, GIS, Remote sensing
- Assessing students through assignments and end of semester exams
- Organising lectures and tutorials
- Supervising student's projects
- Provide effective teaching and tutoring services in specific undergraduate/postgraduate courses. In particular, prepare, deliver and appropriately assess relevant undergraduate / postgraduate courses.
- Support the Department's outreach and pastoral care work.
- Contribute to relevant administration duties.
- Create course material, lesson plans, and curricula
- Conduct research and fieldwork
- Engage with students, assist with processing applications
- Attend conferences, meetings and assess students in their final projects
- Contributing to the research profile of the department
- To develop and implement teaching and learning initiatives;
- To undertake scholarly activity (to inform all of the above)
- To participate in the leadership and delivery of undergraduate modules and programs

### **2). Adjunct Lecturer/ Livingstonia University/Kaning'ina Campus**

Year: March, 2022-March, 2023

- Duties and Roles include the following among others:
- Teaching Geographical information system
- Land use and land planning
- Assessing students' progress
- Organize class field projects
- Engaging students in practical sessions

## CIVIL ENGINEERING WORK

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### **Engineering Surveyor/PJK&P/L-Gravam Consultant Engineers**

YEAR: 09/2018–01/2021

**Road Projects: Rumphi Nyika, Chiweta and Lilongwe City roads.**

- Establishing Survey controls
- Taking road topographic Survey data
- Assisting in road design using AutoCAD Civil 3D
- Calculating earthworks using Civil CAD
- Setting out of the road
- Producing Maps using ArcGIS
- Calculating catchment areas for box culverts using global Mapper.

### **Engineering Surveyor/Mangalasi Construction**

YEAR: 02/2018–08/2018

#### **Irrigation Project: Nkhotakota/Chilingari irrigation scheme**

- Setting out canals
- Providing levels for bridges construction
- Setting out spill way
- Providing levels for the construction of the spill way

## **CONFERENCE PRESENTATIONS**

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### **Paper Presentation: Nexus of Human Factor and Road Geometrics on Traffic**

**Accidents on Mzuzu-Jenda M1 Road stretch:** Consortium for International Management, Policy, and Development: CIMPAD 12<sup>th</sup> International Conference held at Malawi University of Science and Technology (MUST), Malawi.

**Khendlo. J,** Beeharry. R, Goodary. R. *Deforestation Trends in Chikwawa District, Malawi: Geospatial Land Use Land Cover Change Analysis and Prediction using CA-Markova Chain Model.* Paper Presented at Nation Dissemination Conference held in Malawi at Mzuzu University on 5<sup>th</sup> to 6<sup>th</sup> June, 2024

## **LANGUAGES**

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<b>English:</b>	Proficient	(Listening, speaking, Reading and writing)
<b>Chichewa:</b>	Proficient	(Listening, speaking, Reading and writing)
<b>Tumbuka:</b>	Intermediate	(Listening, speaking, Reading and writing)

## **COMPUTER SOFTWARE**

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- ArcGIS Pro
- AI tools for research
- QGIS

- Hec-RAS
- AutoCAD Civil 3D
- IDRISI Selva

#### **OTHER**

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- Mentoring and Coaching
- Volunteering
- Community Service
- Cycling

#### **REFERENCES**

##### **Dr. Brighton Austen Chunga, PhD**

Head of Department  
 Water and Sanitation Department  
 Faculty of Environmental Sciences  
 Mzuzu University, Malawi  
 Cell: +265 888955599  
 Email: chungab@mzuni.ac.mw

##### **Reverend A. M. Phiri**

##### **Parish Minister**

Chibavi CCAP, Synod of Livingstonia  
 (+265) 882 301 202

##### **Associate Professor Mtafu Manda, PhD.**

Head of Department  
 Department of Built Environment  
 Faculty of Environmental Sciences  
 Mzuzu University  
 P. O. Box 201  
 Mzuzu  
 Cell: +265 991 457 275  
 Email: manda.ma@mzuni.ac.mw

## CERTIFICATES

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# Mzuzu University

In accordance with the recommendation of Senate  
and by the authority of the University Council

*Japhet Khendlo*

has been awarded the

**Degree of**

**Master of Science  
(Geoinformatics)**

  
VICE-CHANCELLOR

  
REGISTRAR

Date: 26<sup>th</sup> November, 2021



Japhet Nelson Khendlo

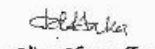
*having satisfied the examiners has this day been awarded  
the degree of*

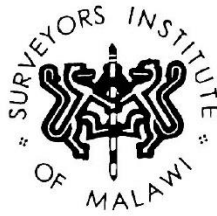
**BACHELOR  
of  
SCIENCE  
in  
LAND SURVEYING**

*with Credit*

  
Registrar

1st February 2018

  
Vice-Chancellor



# CERTIFICATE

## OF MEMBERSHIP

THIS IS TO CERTIFY THAT

*Japhet Khendlo*

IS REGISTERED AS A  
*Graduate Member - LS*  
OF  
SURVEYORS INSTITUTE OF MALAWI

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Reg. No.

SIM President

VALID FROM... April 2022 ...TO... April 2023...



JAPHET KHEKDLO